

Uemura5.ST25.txt

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SEQUENCE LISTING

<110> UEMURA, Hidetoshi OKUI, Akira KOMINAMI, Katsuya YAMAGUCHI, Nozomi MITSUI, Shinichi

- <120> NOVEL SERINE PROTEASE BSSP5
- <130> UEMURA=5
- <140> 09/856,319
- <141> 2001-05-21
- <150> JP 10/347806
- <151> 1998-11-20
- <150> PCT JP99/06473
- <151> 1999-11-19
- <160> 32
- <170> PatentIn version 3.1
- <210> 1
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				-30					-25					

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Gly Ser Ser Trp Gly Cys Gly Ile Pro Ala Ile Lys Pro Ala Leu Ser
-20 -15 -5

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ccc tgg cag gtg tcc ctg cag gac agc ggc ttc cac ttc tgc ggt
Pro Trp Gln Val Ser Leu Gln Asp Ser Ser Gly Phe His Phe Cys Gly
15 20 25

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Gly Ser Leu Ile Ser Gln Ser Trp Val Val Thr Ala Ala His Cys Asn

30

40

gtc agc cct ggc cgc cat ttt gtt gtc ctg ggc gag tat gac cga tca 289
Val Ser Pro Gly Arg His Phe Val Val Leu Gly Glu Tyr Asp Arg Ser

Uemura5.ST25.txt

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acc ggc tgg ggt cgc Thr Gly Trp Gly Arg 125			
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tac tgg gac tca agt Tyr Trp Asp Ser Ser 160			
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Arg Ile Val Asn Gly Glu Asn Ala Val Leu Gly Ser Trp Pro Trp Gln -1 1 5 10 15

Val Ser Leu Gln Asp Ser Ser Gly Phe His Phe Cys Gly Gly Ser Leu 20 25 30

Ile Ser Gln Ser Trp Val Val Thr Ala Ala His Cys Asn Val Ser Pro $35 \hspace{1cm} 40 \hspace{1cm} 45$

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Glu Pro Leu Gln Val Leu Ser Val Ser Arg Ala Ile Thr His Pro Ser 65 70 75

Trp Asn Ser Thr Thr Met Asn Asn Asp Val Thr Leu Leu Lys Leu Ala 80 85 90 95

Ser Pro Ala Gln Tyr Thr Thr Arg Ile Ser Pro Val Cys Leu Ala Ser 100 105 110

Ser Asn Glu Ala Leu Thr Glu Gly Leu Thr Cys Val Thr Thr Gly Trp 115 120 125

Gly Arg Leu Ser Gly Val Gly Asn Val Thr Pro Ala His Leu Gln Gln 130 135 140

Val Ala Leu Pro Leu Val Thr Val Asn Gln Cys Arg Gln Tyr Trp Asp 145 150 155

Ser Ser Ile Thr Asp Ser Met Ile Cys Ala Gly Gly Ala Gly Ala Ser 160 165 170 175

Ser Cys Gln Gly Asp Ser Gly Gly Pro Leu Val Cys Gln Lys Gly Asn 180 185 190

Thr Trp Val Leu Ile Gly Ile Val Ser Trp Gly Thr Lys Asn Cys Asn 195 200 205

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Ala Val Pro Gly Ser Trp Pro Trp Gln Val Ser Leu Gln Asp Asn Thr
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25 30 35

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90 95 100

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Gln Val Ser Pro Val Cys Leu Ala Ser Thr Asn Glu Ala Leu Pro Ser
105
110
115

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ggc Gly	cct Pro	ctt Leu 185	gtc Val	tgc Cys	cag Gln	aag Lys	gga Gly 190	aac Asn	acc Thr	tgg Trp	gtg Val	ctt Leu 195	att Ile	ggg Gly	att Ile	72	25
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act Thr 215	cgg Arg	gtc Val	agc Ser	aag Lys	ttc Phe 220	agt Ser	acc Thr	tgg Trp	atc Ile	aac Asn 225	caa Gln	gtc Val	atg Met	gcc Ala	tac Tyr 230	82	21
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Ile Ser Pro Asn Trp Val Val Thr Ala Ala His Cys Gln Val Thr Pro 40

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Ser	Pro	Ala	Arg	Tyr 100	Thr	Ala	Gln	Val	Ser 105	Pro	Val	Cys	Leu	Ala 110	Ser
Thr	Asn	Glu	Ala 115	Leu	Pro	Ser	Gly	Leu 120	Thr	Cys	Val	Thr	Thr 125	Gly	Trp
Gly	Arg	Ile 130	Ser	Gly	Val	Gly	Asn 135	Val	Thr	Pro	Ala	Arg 140	Leu	Gln	Gln
Val	Val 145	Leu	Pro	Leu	Val	Thr 150	Val	Asn	Gln	Cys	Arg 155	Gln	Tyr	Trp	Gly
Ala 160	Arg	Ile	Thr	Asp	Ala 165	Met	Ile	Cys	Ala	Gly 170	Gly	Ser	Gly	Ala	Ser 175
Ser	Cys	Gln	Gly	Asp 180	Ser	Gly	Gly	Pro	Leu 185	Val	Cys	Gln	Lys	Gly 190	Asn
Thr	Trp	Val	Leu 195	Ile	Gly	Ile	Val	Ser 200	Trp	Gly	Thr	Lys	Asn 205	Cys	Asn
Ile	Gln	Ala 210	Pro	Ala	Met	Tyr	Thr 215	Arg	Val	Ser	Lys	Phe 220	Ser	Thr	Trp
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<220 <223		Desig	gned	olig	gonuc	cleot	ide	to c	const	ruct	. pla	asmic	d pSe	cTry	pHis.
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		ccc t													
<210 <211 <212	> د	5 99 DNA													

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99

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<210> <211> <212> <213>	7 15 DNA Artificial Sequence
<220> <223>	Designed oligonucleotide primer to amplify neurosin-encoding sequence.
<400> ttggtgd	7 catg gcgga 15
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<213>	Artificial Sequence
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\223 /	SecTrypHis/Neurosin.
<400> gcgctag	9 gcag atctccatga atctactcct gatcc 35
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<211> <212>	29 DNA
<213>	Artificial Sequence
<220>	Designed eligenuclectide primer to amplify a portion of plasmid a
<223>	Designed oligonucleotide primer to amplify a portion of plasmid p SecTrypHis/Neurosin.
<400> tgaagct	10 Etgc catggaccaa cttgtcatc 29

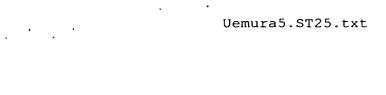
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<220>
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       TrySigTag.
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<223> Designed oligonucleotide primer for RACE for hBSSP5 (forward).
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gcgagtatga ccgatcatca
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       18
<211>
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<213> Artificial Sequence
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      Designed oligonucleotide primer for RACE for hBSSP5 (reverse).
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cgccacctgc acagatcatg
<210> 19
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<220>	Designed alignment of the complete of the comp
<223>	Designed oligonucleotide primer designated as mBSSP5R3/E to ampl
	fy full length mBSSP5 (reverse).
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	· ·
caygig	ttc ccttctggca 2
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tactaco	ecce tttcaccate accateacea tgacgacgat gacaaggate egaatte 11
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acsacsa	graa raaaggtaag gatraggagt agattratog tottoctage raagett 11